



**Department of Highway Safety and Motor Vehicles
Division of Motor Vehicles
Bureau of Mobile Home and Recreational Vehicle Construction**



**FLORIDA'S
APPROVED PRODUCTS LIST
FOR THE INSTALLATION OF
MOBILE/MANUFACTURED HOMES**

INTRODUCTION

Florida statutes require that mobile/manufactured homes are installed safely and will meet wind loads as determined by Section 3280.306 of Code of Federal Regulations (CFR), Part 3280, Manufactured Housing Construction and Safety Standards established by the U.S. Department of Housing and Urban Development.

Section 320.8251, Florida Statutes requires that: “Each person or entity that engages in the Manufacture of mobile home installation components, products, or systems must obtain a certification from the department which affirms that such component, product, or system is approved for use in the installation of mobile homes in this state.” The “department” refers to the Department of Highway Safety and Motor Vehicles. The Bureau of Mobile Home and Recreational Vehicle Construction is a unit of this department and is the unit responsible for certifying mobile/manufactured home components, products and systems for use in Florida.

This document is the official list of mobile/manufactured home installation components, products and systems that have been certified for use in Florida.

If you have any questions, you may contact me at (407) 445-7407.

Wayne Jordan
Program Manager

References:

- | | |
|-----------------------------|---|
| Section 320.8249, F.S.: | Provides for the licensing and regulation of mobile/manufactured home installers. |
| Section 320.8251, F.S.: | Provides for the certification of mobile/manufactured home installation components, products and systems. |
| Section 320.8325, F.S.: | Provides for the department to adopt rules setting forth uniform standards for the installation of mobile/manufactured homes. |
| Rule Chapter 15C-1, F.A.C.: | Provides the uniform mobile/manufactured home installation standards for Florida. |

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

ADVANCE CONNECTOR SYSTEMS

1842 East Encanto Drive
Tempe, Arizona 85281

MODEL #	IDENTIFICATION	DESCRIPTION
AVTP 1212-2S6	Marriage Line Connector	12 Gauge double plate connector and 1 ¼" strap using ½" grade 5 bolt and nut
AVTRX	Marriage Line Connector	Bracket and attached connector plate using ½" grade 5 bolt and nut

BYRD FOOTER SYSTEMS, INC.

624 U.S. Highway 17, South
San Mateo, Florida 32187

MODEL #	IDENTIFICATION	DESCRIPTION
Byrd Footer System	3,000 lb. Fiber Mesh Concrete Footer	Lateral/Longitudinal Stabilizing System

C. LAND IMPORTERS/EXPORTERS

2409 Southeast 26th Street
Ocala, Florida 34471

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
C/L	Square Shoulder Bolt	5/8" x 3 ¾" Knurled Split Bolt	N/A	3,150	4,725

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

D-REP PLASTICS, INC.
11256 47th Street North
Clearwater, Florida 33762

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
DRP-032295 (Sure Wedge)	Recycled Plastic Shim Wedge	4.986" (width) X 6.010" length x 1" to 2" (height) plastic, full bearing wedge	N/A	N/A	N/A
DRP-3300-105 (DeWedge)	Slide-N-Lock Shim Wedge	3 ½" (width) x 6" length x 0" to 1 ¼" (height)	N/A	N/A	N/A
DRP-3399-180	Plastic Stabilizer Post	8" x 24" x ¾" at top	N/A	N/A	N/A

FOUNDATION WORKS, INC.
7600 Boeing Drive
Greensboro, NC 27409-9046

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
VFDS	Velocity Foundation Design System	Lateral / Longitudinal Stabilizing System	N/A	N/A	N/A

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

HOME PRIDE, INC.
P.O. Box 160387
Nashville, Tennessee 37216-0387

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
HP-4	Galvanized Auger Anchor	5/8" x 48" steel rod, double bolt head, single 6" disc – 0.175" thickness, 7 gauge	4a	3,150	4,725
HP-5	Galvanized Auger Anchor	3/4" x 48" steel rod, double bolt head, single 6" disc – 0.167", 7 gauge	4a	3,150	4,725
HP-8	Galvanized Auger Anchor	3/4" x 60" steel rod, double bolt head, single 8" disc – 0.169", 7 gauge	4b	4,000	6,000
59285	Galvanized Stabilizer Plate	17 1/2" wide, 7" side depth, 13 3/4" center depth, .105" thickness and 90° top bend	4b	3,150	4,725

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

HOME PRIDE, INC., continued...

P.O. Box 160387

Nashville, Tennessee 37216-0387

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
Home Pride	Strapping	1 ¼" x 0.0375" galvanized flat strapping, ASTM D3953-91	N/A	3,150	4,725
HP	Galvanized Split Bolt	5/8" x 3" x 5/8" square shoulder w/hex head standard thread, shaft saw cut	N/A	3,150	4,725
Home Pride	Crimping Seal	17/16" x 2 ¼" zinc plated	N/A	3,150	4,725
59002 TD	Swivel Strap Connector	2.600" x 4.875" x 10 gauge with 1 ¼" x .035" galvanized steel strap	N/A	3,150	4,725
59003 TD	Beam Connector for 3" I-beam	2.5" x 7.300" x 10 gauge used with 59002 and grade 5 bolt and nut	N/A	3,150	4,725
59009	Longitudinal Beam Connector	1 ½" x 6 ½" x ¼" used as a pair with 59002	N/A	3,150	4,725
59011	Longitudinal Beam Clamp	6" x 6 ¾" x 7 gauge frame clamp with 8 – grade 5 bolts and nuts	N/A	3,150	4,725
HP62	Adjustable Perimeter Support Min 16 X 16	Door & Window Support	N/A	N/A	N/A
HP12LS	Tension Head W/Lag Bolt	Concrete Anchor	N/A	N/A	N/A
HP13	Patio L Anchor Bolt	Concrete Anchor	N/A	N/A	N/A

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

MINUTE MAN ANCHORS
305 West King Street
East Flat Rock, North Carolina 28726

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
MMA 2	Galvanized Auger Anchor	5/8" x 48" rod, double bolt head with a single 6" disc	4a	3,150	4,725
MMA 4	Galvanized Auger Anchor	3/4" x 48" rod, double bolt head with a single 6" disc	4a	3,150	4,725
MMA 75	Galvanized Auger Anchor	3/4" x 60" rod, double bolt head with a single 7" disc	4b	4,000	6,000
MMA 86	Galvanized Auger Anchor	3/4" x 60" rod, double bolt head with a single 8" disc	4b	4,000	6,000
MMA 12	Galvanized Concrete Anchor	5/8" x 10" threaded rod with nut. Use with concrete slab (dry)	Concrete	3,150	4,725
MMA 14	Galvanized Concrete Anchor	5/8" x 10" rod with a 3" turn on the end. Use with concrete slab (wet)	Concrete	3,150	4,725
MMA 42	Galvanized Concrete Anchor	Swivel head. Use with concrete slab (wet)	Concrete	3,150	4,725
MMA 18	Galvanized Tension Device	Double head tension device w/bolt hole in bottom of yoke for use with expansion bolt in concrete slab (dry)	N/A	3,150	4,725
MMA 22	Galvanized Tension Device	Double head tension device adapter	N/A	3,150	4,725
MMA SD2	Galvanized Stabilizer Plate	18" wide x 13.5" center x 7 1/2" on the sides	N/A	3,150	4,725

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

MINUTE MAN ANCHORS, continued...

305 West King Street
East Flat Rock, North Carolina 28726

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
MMA	Strapping – ANSI A225.1 & ASTM 3953-91	1 1/4" x .035" galvanized steel strapping, .60 zinc coating each side	N/A	3,150	4,725
MMA-S	Strap (crimp) seal	1 1/4" wide x 2 1/8" long	N/A	3,150	4,725
MMA	Square shoulder bolt	3 3/4" x 5/8" knurled split bolt	N/A	3,150	4,725
MMA-LLBS	Expansion bolt	EZ Flex Tubes using concrete pile footer. In class 2 & 3 soil and 5/8" bolt in Class 4 soil	N/A	N/A	N/A
MDP-16	Pier	12" – 16" with 4" adjustment height – head locks to I-beam	N/A	N/A	N/A
MDP-20	Pier	12" – 20" with 4" adjustment height – head locks to I-beam	N/A	N/A	N/A
MDP-24	Pier	20" – 24" with 4" adjustment height – head locks to I-beam	N/A	N/A	N/A
MDP-28	Pier	24" – 28" with 4" adjustment height – head locks to I-beam	N/A	N/A	N/A
MDP-32	Pier	28" – 32" with 4" adjustment height – head locks to I-beam	N/A	N/A	N/A
MMA-31	Longitudinal Beam Clamp	Zinc coated longitudinal beam clamp 6" x 6 3/4" x 7 gauge w/8 1/2" x 1/2" grade 5 bolts/washers	N/A	3,183	4,225
MMA-33	Locking Frame Clamp II	2" X 7 3/4" X 7 gauge and 2" x 5 1/8" x 7 gauge assembled lock frame clamp II with Florida Strap	N/A	3,150	4,225

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

MINUTE MAN ANCHORS, continued...

305 West King Street
East Flat Rock, North Carolina 28726

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
MMSPP	Longitudinal Stabilizing System	20" x 20" x 1" Galvanized Steel Base Pad	ALL	N/A	26,400
MMLBC	Beam Clip with above system	3 3/4" x 6" x 7 gauge	N/A	N/A	N/A
MMLBT	Brace with above system	1 1/2" Brace Tube Length varies by pier height	N/A	N/A	N/A
MMA-71	Corner Tie	2" x 3" x 7 gauge corner tie with radius clip and Florida strapping	N/A	3,150	4,224
MMA-98	Galvanized Auger Anchor w/Stabilizer	3/4" rod x 48" w/dual 6" disc, anchor has attached stabilizer head and plate	4b	3,150	4,725
MMA-99	Galvanized Auger Anchor w/Stabilizer	3/4" rod x 60" w/dual 8" disc, anchor has attached stabilizer head and plate	4b	4,000	6,000
EZASTS	Adjustable Support Tube System	galvanized square tubes and beam clip	ALL	N/A	27,600
MMAST	Support tubes for EZASTS	1 1/2" & 1 1/4" galvanized square tubes	N/A	N/A	N/A
MMSBC	Beam Clip for ASTS	3 3/4" x 6" x 7 gauge	N/A	N/A	N/A

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

MINUTE MAN ANCHORS, continued...

305 West King Street
East Flat Rock, North Carolina 28726

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
MMSPP	Longitudinal Stabilizing System	20" x 20" x 1" Galvanized Steel Base Pad	ALL	N/A	26,400
MMLBC	Beam Clip for above system	3 3/4" x 6" x 7 gauge	N/A	N/A	N/A
MMLBT	Brace for above system	1 1/2" Brace tube (length varies by pier height)	N/A	N/A	N/A
MMA-SD3	Steel Pier Pad	2.75 sq. ft. / 11 gauge galvanized pad steel beam clips	N/A	N/A	N/A
MMA-CAF	Concrete Anchor Flange (dry)	gal. flange for mounting longitudinal & lateral braces to freshly poured concrete slab	N/A	N/A	N/A
MMA-CFW	Concrete Anchor Flange (wet)	gal. flange for mounting longitudinal & lateral braces to freshly poured concrete	N/A	N/A	N/A
MMA-LLBS	Kit	Lateral Hardware and Longitudinal Struts	N/A	N/A	N/A
MMA 14	Concrete Anchors	Galvanized concrete (wet) anchor 5/8" dia., Length w/1-3/8" turn on end.	N/A	N/A	N/A
MMA 42	Concrete Anchors	Galvanized concrete (wet) anchor 5/8 dia., 8" length, w/2" hook on end	N/A	N/A	N/A

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

MOBILE HOME SAFETY PRODUCTS
Db a Oliver Technologies, Inc.
P.O. Box 58/467
Hohenwald, Tennessee 38462

MODEL #	IDENTIFICATION	DESCRIPTION
OT486A	Galvanized Auger Anchor	5/8" x 48" rod, double bolt head with a single 6" disc
OT486B	Galvanized Auger Anchor	3/4" x 48" rod, double bolt head with a single 6" disc
OT607B	Galvanized Auger Anchor	3/4" x 60" rod, double bolt head with a single 7.5" disc
OT1100CA	Galvanized J-Hook Concrete Anchor	7" x .646" rod, double bolt head with a j-hook
OTMSP-1	Galvanized Metal Stabilizer Plate	18" wide x 13 1/2" depth
OTMSPIG	Galvanized Metal Stabilizer Plate	18" wide x 13 1/2" depth x 7 1/2" side – 12 ga.
1055-19	Plastic Stabilizer Plate	.742" (thickness at top) x 9.95" (width) x 24" (length)
2410	Plastic Wedge (OTI) (ABS)	3.5" x 6.0" x 0.946"
1055-11	Adjustable Outrigger	Bracket, pipe and screw adjustment
OT2001	Swivel Frame Clamp	3/16" x 2" galvanized upper and lower jaws for clamping the I-beam
OTSFT	Swivel Frame Clamp	A-36 Galvanized
OT2002	Sidewall Strap Connector	G-40 galvanized 7 gauge connector to hook sidewall brackets
OTQC	Sidewall Quick Strap Connector	A-36/Galvanized .1793" thick sq. hole in clip head

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

MOBILE HOME SAFETY PRODUCTS continued...

Dbi Oliver Technologies, Ins.

P.O. Box 58/467

Hohenwald, Tennessee 38462

MODEL #	IDENTIFICATION	DESCRIPTION
1055-18L	Longitudinal Stabilizing System	20" galvanized steel pad beam clip for longitudinal bracing system w/square tubing in a cross "X" pattern
1101L	All Steel Foundation System	Longitudinal Stabilizing System
1101	All Steel Foundation System	Longitudinal and Lateral Stabilizing System
1101 V	All Steel Foundation System	Longitudinal Stabilizing & Lateral Bracing System
1101CVW	Wet Bracket	Concrete Full System
1101CVD	Dry Set Bracket	Concrete Full System
1101-W-CPCA	Wet Set Bracket	Concrete Longitudinal System
1101-D-CPCA	Dry Set Bracket	Concrete Longitudinal System
1101-W-TACA	Wet Set Bracket	Concrete Transverse System
1101-D-TACA	Dry Set Bracket	Concrete Transverse System
1055-14	Plastic Foundation Pad	16" x 16"
1055-10	Plastic Foundation Pad	16" x 16"
1055-8	Plastic Foundation Pad	16" x 18"
1055-23	Plastic Foundation Pad	16" x 18 1/2" (rounded)(2 sq. ft.)
1055-9	Plastic Foundation Pad	18 1/2" x 18 1/2" x 15/16"
SPA 264-1	Plastic Foundation Pad	18 1/2" x 18 1/2" x 3/4"
4148-4	Plastic Foundation Pad	13 1/4" x 26 1/4" x 3/4"
1055-16	Plastic Foundation Pad	17" x 22" x 1 1/8"
1055-7	Plastic Foundation Pad	20" x 20" x 7/8"
1055-21	Plastic Foundation Pad	17 1/2" x 22 1/2"
1055-17	Plastic Foundation Pad	17 1/2" x 25 1/2" x 1 1/8"
1055-13	Plastic Foundation Pad	24" x 24"
1055-22	Plastic Foundation Pad	21.13" x 29.13" (rounded)
1055-20	Plastic Foundation Pad	23 1/4" x 31 1/4"

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

MOBILE HOME SAFETY PRODUCTS continued...

Db a Oliver Technologies, Ins.

P.O. Box 58/467

Hohenwald, Tennessee 38462

MAXIMUM PIER LOADS IN POUNDS BASED ON SOIL VALUES							
Configuration	Pad Area (sq. ft.)	1,000 lb. soil	1,500 lb. soil	2,000 lb. soil	2,500 lb. soil	3,000 lb. soil	Remarks Max.
16" x 16"	1.77	1,770	2,650	3,450	4,420	5,310	5,310
16" x 16"	1.78	1,780	2,660	3,560	4,430	5,340	5,320
16" x 18"	2.0	2,000	3,000	4,000	5,000	6,000	6,000
16" x 18 1/2" (rounded)	2.0	2,000	3,000	4,000	5,000	6,000	6,000
18 1/2" x 18 1/2" x 15/16"	2.360	2,360	3,550	4,730	5,910	7,090	7,090
18 1/2" x 18 1/2" x 3/4"	2.375	2,375	3,563	4,750	5,598	5,598	5,600
13 1/4" x 26 1/4"	2.4	2,375	3,563	4,750	5,938	6,400	6,400
17" x 22"	2.5	2,500	3,750	5,000	6,250	7,500	7,500
20" x 20"	2.75	2,750	4,125	5,500	6,875	8,250	8,250
17 1/2" x 22 1/2" (rounded)	3.0	3,000	4,500	6,000	7,500	9,000	9,000
17 1/2" x 25 1/2"	3.0	3,000	4,500	6,000	7,500	9,000	9,000
24" x 24"	4.0	4,000	6,000	8,000	8,000	8,000	8,000
21.13" x 29.13" (rounded)	4.0	4,000	6,000	8,000	8,000	8,000	8,000
23 1/4" x 31 1/4"	4.698	4,698	7,047	8,000	8,000	8,000	8,000

PAD CONFIGURATIONS				
Pad Description (Pyramid Footer Configuration)	Pad Area (sq. ft.)	1,000 lb. soil	2,000 lb. soil	3,000 lb. soil
(2) 13 14" x 26 1/4" as a base and (1) 20" x 20" on top	4.8	4,800	9,600	N/A
Three (3) 17" x 22"	5.0	5,000	10,000	N/A
Three (3) 17 1/2" x 25 1/2"	6.0	6,000	12,000	N/A

CAP BOARDS		
MODEL #	IDENTIFICATION	DESCRIPTION
OT1CB1	Plastic Cap Board	1" x 8" x 16"
OT1CB2	Plastic Cap Board	2" x 8 x 16"

The cap boards were test on CMU pier (C90) with either a single or double stacked cap boards.

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

PINELLAS MANUFACTURING, INC.
11528 53rd Street North, Unit B
Clearwater, Florida 33760

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
MPI 1230	Plastic Pier Base	30" x 12" Pier Base	N/A	N/A	N/A
MPI 1630	Plastic Pier Base	30" x 16" Pier Base	N/A	N/A	N/A
MPI 1830	Plastic Pier Base	30" x 18" Pier Base	N/A	N/A	N/A

POLY VULC USA, INC.
1645 Haining Road
Vicksburg, Mississippi 39180

MODEL #	IDENTIFICATION	DESCRIPTION
PP1616	Plastic Foundation Pad	16" x 16" x 0.918"
PP 1818	Plastic Foundation Pad	18 ½" x 18 ½" x 0.928"
PP1723	Plastic Foundation Pad	17" x 23"
PP2020	Plastic Foundation Pad	20" x 20" x 0.926"
PP 2626	Plastic Foundation Pad	26" x 26" x 1.189"

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

POLY VULC USA, INC; continue...

1645 Haining Road
Vicksburg, Mississippi 39180

MAXIMUM PIER LOADS IN POUNDS BASED ON SOIL VALUES					
Pad Configuration (single pad)	Pad Area	1,000 lb. soil	2,000 lb. soil	3,000 lb. soil	Remarks Maximum
16" x 16" x 0.918"	1.778	1,780	3,560	N/A	3,560
18 ½" x 18 ½" x 0.928"	2.377	2,380	4,760	N/A	4,760
17" x 23"	2.697	2,697	5,394	N/A	8,000
blocks double stacked	2.697	2,697	5,394	8,091	13,188
20" x 20" x 0.926"	2.767	2,767	5,534	8,301	8,301
two double stacked					
24" x 24" Single Stack	3.975	N/A	N/A	N/A	8,000
24" x 24" Double Stack	3.975	3,975	7,950	11,000	13,188
26" x 26" x 1.189" W/1	4.396	4,396	8,000	N/A	
26" x 26" x 1.189" W/2	4.396	4,396	8,792	13,188	

Note: Installer is responsible for determining soil bearing capacity

STRAPPING PRODUCTS

Post Office Box 729
Orange Park, Florida 32067-0729

MODEL #	IDENTIFICATION	DESCRIPTION
SPD	Crimp Seal	0.375" galvanized (1.40" x 2.1885" x 0.0375")

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

ANCHOR-SUR PRODUCTS
Division of Poly Foam International, Inc.
dba STYLE CREST PRODUCTS
Post Office Box 600 Hagerty Drive
Fremont, Ohio 43420

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
48SH	Auger Anchor	¾" or 5/8" x 48" rod, double head with a single 6" disc	4a	3,150	4,725
57SH (Type 2)	Auger Anchor	¾" x 60" rod, double head with a single 7" disc (7 gauge)	4b	4,000	6,000
DTH&HN5830	Head & Anchor Bolt	Head with 5/8" x 3 ½" phillips anchor bolt	N/A	3,150	4,725
CDE8	Concrete Anchor	¾" x 10 ½" rod w/hook on the end	concrete	3,150	4,725
Strap	Anchor-Sur Strap	1 ¼" x .035" galvanized strap	N/A	3,150	4,725
SB	Hex Shoulder Bolt	2 ¾" x 5/8" slotted knurled bolt	N/A	3,150	4,725
481500	Swivel Strap Connector	2 ¾" x 5.336" x 10 gauge with 1 ¼" x .035" galvanized steel strap G-120	N/A	3,150	4,725
481600	Beam Connector	2 ½" x 7" x 10 gauge	N/A	3,150	4,725
Anchor-Sur 481014	Crimping Seal	1.410" x 2 ¼"	N/A	3,150	4,725
59285	Stabilizer Plate	17 ½" (wide) x 7" (side) x 13 ¾" (center) x 8 gauge (thick) 1 5/8" 90° top bend			

**APPROVED PRODUCTS
FOR THE
INSTALLATION OF MANUFACTURED HOMES
TIE DOWN ENGINEERING**
5901 Wheaton Drive
Atlanta, Georgia 30336

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
M12H-5/8"	Galvanized Auger Anchor	5/8" x 48" rod, double head with a single 6" disc	4a	3,150	4,725
M12H-3/4"	Galvanized Auger Anchor	3/4" x 48" rod, double head with a single 6" disc	4a	3,150	4,725
M607	Galvanized Auger Anchor	3/4" x 60" rod, double head with a single 7" disc	4b	4,000	6,000
M1T2	Galvanized Patio Slab Anchor	3/4" x 10" threaded rod w/flat washer and nut, double bolt head	Concrete	3,150	4,725
M1J2	Galvanized Patio Slab Anchor	5/8" x 10" rod concrete anchor with a double bolt head	Concrete	3,150	4,725
M1CS2	Galvanized Patio Anchor Bolt	1/2" x 3" steel expansion bolt w/"Redhead Sleeve Anchor" double head	Concrete	3,150	4,725
M1AR2	Galvanized Double Head Device (only)	Double head tension device w/bolt hole in the bottom of the yoke	N/A	3,150	4,725
M1S2	Galvanized Double Head Swivel Adapter	Double head tension device with swivel adapter	N/A	3,150	4,725
59285	Stabilizer plate – steel	Galvanized steel 17 1/2" (width) x 7" (side) x 13 3/4" x 8 gauge (thick .105" 90° degree top bend)	4b	4,000	6,000
59293	Stabilizer Plate/ - plastic	8" x 24" x 1.375" at top			

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

TIE DOWN ENGINEERING continued...

5901 Wheaton Drive
Atlanta, Georgia 30336

MODEL #	IDENTIFICATION	DESCRIPTION	Soil Class	Working Load	Ultimate Load
Tie Down Strapping	ASTM Standard Spec. D3953-91	1 1/4" x .035" galvanized steel strapping G-120	N/A	3,150	4,725
MGRB	Roof Bracket	Galvanized Roof Bracket	N/A	N/A	N/A
TD	Slotted Bolt	2 3/4" x 5/8"	N/A	3,150	4,725
TDE	Crimping Seal	1.410" x 2.250"	N/A	3,150	4,725
59010	Longitudinal Stabilization Device L ² SD	Metal pads, bracket with hardware metal struts	N/A	7,000	10,000
59002	Swivel Strap Connector	2.60" x 4.875" x 10 gauge w/1 1/4" x .035"	N/A	3,150	4,725
59003	Beam Connector for a 3" I-beam	2.5" x 6.300" x 10 gauge beam connector used with 59002	N/A	3,150	4,725
59004	Beam Connector for a 4" I-beam	2.5" x 7.300" x 10 gauge beam connector used with 59002	N/A	3,150	4,725
59005	Adj. Beam Connector for up to a 8" double. I-beam	2.5" x 9.850" x 10 gauge used with 59002 and grade 5 bolt and nut	N/A	N/A	N/A
59009	Longitudinal Beam Connector	1 1/2" x 6 1/2" x 1/4" used as pair with 59002	N/A	N/A	N/A
59011	Longitudinal Beam Clamp	6" x 6 3/4" x 7 gauge frame clamp with eight (8) grade 5 bolts and nuts	N/A	N/A	N/A

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

TIE DOWN ENGINEERING continued...

5901 Wheaton Drive
Atlanta, Georgia 30336

THE FOLLOWING ARE KIT NUMBERS

MODEL #	IDENTIFICATION	DESCRIPTION
59006	Lateral (Vector) Kit w/pads for concrete applications – single stacked block piers	17.25" x 11", 12 gauge galvanized pad, part # 59277 w/mounting brackets, hardware &* parts 59276 and 59282
59008	Lateral (Vector) Kit w/pads for concrete applications – double stacked block piers	17.25" x 18.6", 12 gauge galvanized pad, part # 59273 w/mounting brackets, hardware & parts 59276 and 59282
59273	Double block foundations pad for concrete	Use with Vector System
59277	Single block foundation pad for concrete	Use with Vector System
59024	Lateral (Vector) Hardware Kit (use w/59271)	U-bolts, "U" shaped connectors & inside brackets
59026	Longitudinal L ² SD Hardware Kit (w/59271)	6" x 6 ¾" x 7 gauge beam clips, "U" shaped plate connector, bolts and nuts for connections
59314	Vector Xi System	Longitudinal Stabilizing System
59315	Vector Xi System Xi Concrete and Concrete Block System	Lateral Stabilizing System Longitudinal/Lateral Stabilizing System
59361	Outriggers	24" Outrigger/Diagonal Strut
59362	Outriggers	24" Outrigger/Diagonal Strut

APPROVED PRODUCTS FOR THE INSTALLATION OF MANUFACTURED HOMES

TIE DOWN ENGINEERING continued...

5901 Wheaton Drive
Atlanta, Georgia 30336

MODEL #	IDENTIFICATION	DESCRIPTION			
59300	Plastic Foundation Pad	16'' x 18'' x 1''			
59301	Plastic Foundation Pad	16'' x 22 ½'' x 1''			
59302	Plastic Foundation Pad	17 3/16'' x 25 3/16'' x 1 1/8''			
59303	Plastic Foundation Pad	24'' x 24''			
59271	Galvanized Metal Foundation Pad	19.418'' x 22.25'' x 12 gauge used with 59002 and grade 5 bolt and nut			
MAXIMUM PIER LOADS IN POUNDS BASED ON SOIL VALUES					
Configuration Single Stack Pier		Pad Area (sq. ft.)	1,000 lb. soil	2,000 lb. soil	3,000 lb. soil
16'' x 18'' x 1''		2.0	2,000	4,000	6,000
16'' x 22 ½'' x 1''		2.5	2,500	5,000	7,500
17 3/16'' x 25 3/16'' x 1 1/8''		3.0	3,000	6,000	N/A
19.418'' x 22.5'' x 10 gauge		3.0	3,000	6,000	N/A
24'' x 24''		4.0	4,000	8,000	N/A

Configurations above may be used to replace a home manufacturer's recommended concrete base pad.

**APPROVED PRODUCTS
FOR THE
INSTALLATION OF MANUFACTURED HOMES**

TIE DOWN ENGINEERING continued...

5901 Wheaton Drive
Atlanta, Georgia 30336

Note: Installer is responsible for determining soil bearing capacity

PAD CONFIGURATIONS				
Pad Description (Pyramid Footer Configuration)	Pad Area (sq. ft.)	1,000 lb. soil	2,000 lb. soil	3,000 lb. soil
Two 16" x 22 ½" pads as a base and one of the same size on top	5.00	5,000	10,000	N/A
Two 17 3/16" x 25 3/16" pads as a base and one of same size on top	6.00	6,000	12,000	N/A